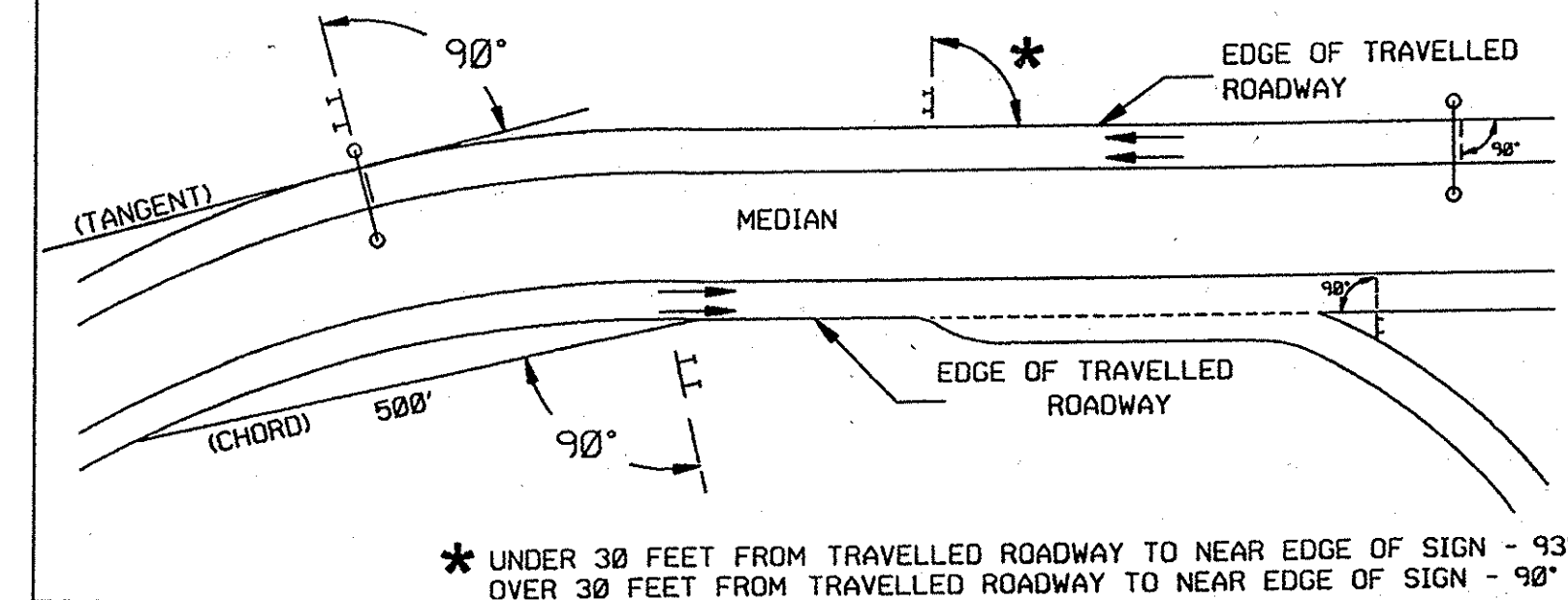
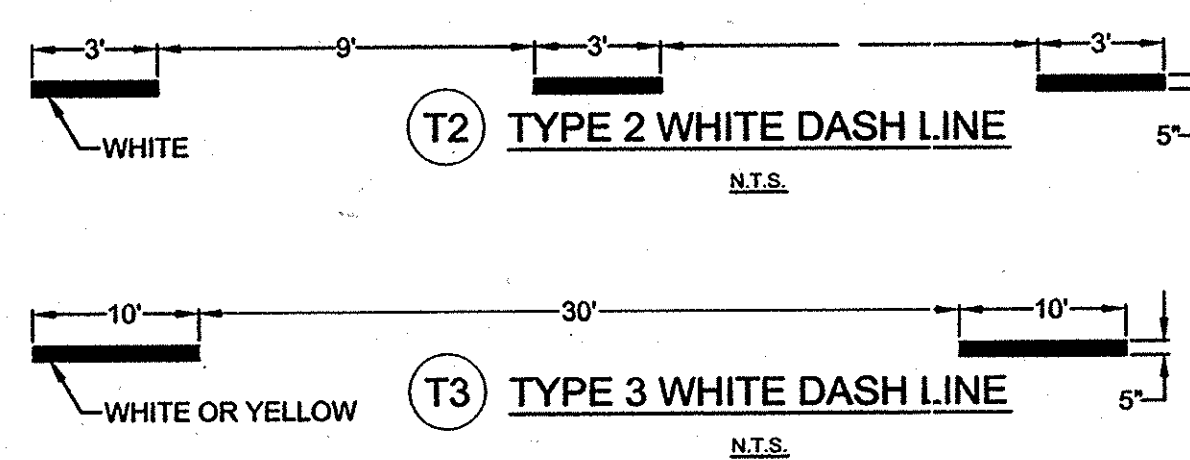


TYPICAL LINE PLACEMENT DETAILS
N.T.S.



HORIZONTAL SIGN ALIGNMENT



EXISTING SIGN TO REMAIN

EXISTING SIGN TO BE REMOVED

PROPOSED SIGN

EXISTING ONE POST SIGN

EXISTING TWO POST SIGN

PROPOSED ONE POST SIGN

PROPOSED TWO POST SIGN

T1 TYPE 1 WHITE DASH LINE
(SEE DETAIL ON THIS SHEET)













T2 TYPE 2 WHITE DASH LINE
(SEE DETAIL ON THIS SHEET)

T3 TYPE 3 WHITE DASH LINE
(SEE DETAIL ON THIS SHEET)

Y 5" SINGLE YELLOW LINE

YD 5" SINGLE YELLOW DASH LINE

DY 5" DOUBLE YELLOW LINE

- | | |
|---|---|
|  | 5" SINGLE WHITE LINE |
|  | 12" SINGLE YELLOW GORE LINE |
|  | 10" SINGLE WHITE LINE |
|  | 24" STOP BAR |
|  | PEDESTRIAN CROSS WALK |
|  | WORD PAVEMENT MARKING |
|  | LEFT TURN LANE - USE ARROW |
|  | RIGHT TURN LANE - USE ARROW |
|  | LEFT - TURN AND THROUGH LANE - USE ARROW |
|  | RIGHT - TURN AND THROUGH LANE - USE ARROW |
|  | LANE - REDUCTION ARROW |
|  | TWO - WAY LEFT TURN - USE ARROW |

1. THE CONTRACTOR SHALL BE GOVERNED BY THE STANDARDS AND REQUIREMENTS OF THE FOLLOWING PUBLICATIONS, EXCEPT WHERE NOTED.

MUTCD - "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" 2003 EDITION
HIGHWAY SAFETY DESIGN AND OPERATIONS GUIDE .

MD SIGN BOOK

4. ALL SIGN POSTS SHALL BE INSTALLED A MINIMUM DEPTH OF 5'-0". IN CASES WHERE THERE IS TRAFFIC BARRIER, ALL SIGNS ARE TO BE PLACED BEHIND THE BARRIER.
 5. ALL SIGN POSTS SHALL BE WOOD 4" X 4" SUPPORTS. SIGN POSTS NOT LOCATED BEHIND TRAFFIC BARRIER SHALL BE CRASH WORTHY IN ACCORDANCE WITH FEDERAL HIGHWAY ADMINISTRATION.
 6. STANDARD SIGNS ARE IDENTIFIED BY PANEL NUMBERS AND ARE CLASSIFIED AS FOLLOWS:
 - R - REGULATORY
 - W - WARNING
 - M - ROUTE MARKERS AND ACCESSORIES
 - D - DESTINATION AND MILEAGE PANELS
 - S - SCHOOLPANELS SHALL BE DESIGNATED TO AGREE WITH MARYLAND STANDARD SIGN BOOK AND MUTCD.
 7. BACKGROUND, BORDER, AND LEGEND SIGN PANELS SHALL BE DIAMOND GRADE REFLECTORIZED EXCEPT WHERE NOTED.
 8. ANY CHANGE IN SIGN LOCATION FROM THAT SHOWN ON THE PLANS WILL REQUIRE PRIOR APPROVAL FROM THE ENGINEER.
 9. VERTICAL SIGN ALIGNMENT - POSITION PANEL SO FACE IS CENTERED ON POST.
 10. HORIZONTAL SIGN ALIGNMENT (SEE DIAGRAM ON THIS SHEET)
 - A.) ON STRAIGHT ROADWAY SECTIONS, ANGLE OF SIGN FACE TO ROADWAY VARIES WITH DISTANCE FROM TRAVELED ROADWAY TO NEAR EDGE OF SIGN - SEE DIAGRAM.
 - B.) ON THE INSIDE OF HORIZONTAL CURVES, POSITION SIGN SO FACE OF PANEL MAKES AN ANGLE OF 90° WITH A CHORD BETWEEN A POINT ON NEAR EDGE OF PAVEMENT AT SIGN LOCATION AND A POINT ON FURTHER EDGE OF PAVEMENT 500' IN ADVANCE OF SIGN.
 - C.) ON THE OUTSIDE OF HORIZONTAL CURVES, POSITION SIGN SO FACE OF PANEL IS AT RIGHT ANGLES TO THE TANGENT OF THE CURVE AT THE SIGN LOCATION.
 11. THE ENGINEER DOES NOT WARRANT OR GUARANTEE THE ACCURACY OR COMPLETENESS OF UTILITY INFORMATION SHOWN ON THE PLAN. IT SHALL BE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE AND PROTECT ALL EXISTING FACILITIES WHICH MIGHT BE AFFECTED BY THIS WORK AND/OR HIS OPERATION.
 12. MATERIAL SALVAGED DURING CONSTRUCTION SHALL BECOME PROPERTY OF THE OWNER UNLESS OTHERWISE NOTED ON THE PLANS OR IN THE SPECIFICATIONS. ALL SALVAGED MATERIAL SHALL BE DELIVERED TO THE WASHINGTON COUNTY HIGHWAY DEPARTMENT, CENTRAL SHOP 601 NORTH AVENUE, HAGERSTOWN, MD.
- TO THE ATTENTION OF:
DAVE SHRAEDER / (240-313-2720) / WITH 5 DAYS NOTICE

CONTACT PERSONS FOR MD-SHA ARE AS FOLLOWS:

MR. GEORGE H. SMALL
ASSISTANT DISTRICT ENGINEER - TRAFFIC
(301) 729-8444

MR. JOHN TRUE
ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
(301) 729-8411

MR. TONY CRAWFORD
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
(301) 729-8457

MR. ROBERT ROWAN
UTILITY ENGINEER
(301) 729-8439

CONTACT PERSONS FOR OOPS ARE AS FOLLOWS:

MR. RICHARD DAFF, SR.
CHIEF TRAFFIC OPERATIONS
(410) 787-7630

MR. ROBERT SNYDER
ASSISTANT DIVISION, CHIEF
TRAFFIC OPERATIONS
(410) 787-7630

MR. ED RODENHIZER
CHIEF, SIGNAL OPERATIONS
(410) 787-7630

MR. EUGENE BAILEY
CHIEF, SIGN OPERATIONS
(410) 787-7676

MR. MIKE STOCKER
SIGNAL SHOP WAREHOUSE
(410) 787-7696

SHA No.: BW707M83
Maughan's Avenue: I-81 to US 11

| | |
|---|----------|
| APPROVALS | |
| <i>[Signature]</i> | 10/26/06 |
| TEAM LEADER - TRAFFIC ENGINEERING DESIGN DIVISION | |
| <i>[Signature]</i> | 10/26/06 |
| ASSISTANT - TRAFFIC ENGINEERING DESIGN DIVISION | |
| <i>[Signature]</i> | 10/26/06 |
| CHIEF - TRAFFIC ENGINEERING DESIGN DIVISION | |
| <i>[Signature]</i> | 10/27/06 |
| DIRECTOR - TRAFFIC AND SAFETY | |

SHA

**STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION**

**MAUGANS AVENUE
RECONSTRUCTION**

PAVEMENT MARKINGS AND SIGNAGE


DIVISION OF PUBLIC WORKS

**MAUGANS AVENUE
RECONSTRUCTION**

PAVEMENT MARKINGS AND SIGNAGE

ENGINEERING DEPARTMENT

Washington County Administration Building
80 W. Baltimore St., Hagerstown, MD 21740
Phone: 240-313-2400 Fax: 240-313-2401

The seal of Washington County, Maryland, is circular. It features a central shield with a plow and a sheaf of wheat. Above the shield is a banner with the text "WASHINGTON COUNTY". Below the shield is a banner with the text "1793". The words "SEAL" and "M.D." are on the right side, and "WASHINGTON COUNTY" is on the left side.

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